

REMARKS

Claims 1-17 are currently pending in connection with the present application. Claims 1, 5, 12, and 15 are amended. Claims 1, 12 and 15 are independent claims. Reconsideration and allowance are respectfully requested in view of the amendments and the following remarks.

Applicants acknowledge and thank the Examiner for indicating that claim 17 contains allowable subject matter and would be allowed if rewritten in independent form including all the limitations of the base claim and any intervening claims.

PRIOR ART REJECTIONS

35 U.S.C. §103(a) Bai/Cady Rejection

Claims 1-4, 7 and 9-16 stand rejected under 35 U.S.C. §103(a) as being unpatentable over by Bai et al. (U.S. Patent No. 6,326,700) in view of Cady et al. (U.S. Patent No. 6,576,992). Applicant respectfully traverses this rejection.

Initially, please note that independent claims 1, 12 and 15 have been amended. For example, the independent claims have been amended to recite, *inter alia*, “the substrate further including first wirings connected to the terminal pad and providing electrical paths coupling the semiconductor chip and the terminal pads and second wirings connected to the terminal pad and providing electrical paths coupling the semiconductor chip and the connecting pads.” Support for this amendment may be found on paragraphs [0031-0032] and FIGS. 5a and 5b. Accordingly, the patentability of independent claims will be collectively discussed with respect to claim 1 in this section.

A review of Bai et al. and Cady et al. shows that neither of the references teach or suggest first and second wirings connected to a terminal pad, as recited in claim 1.

Accordingly, independent claims 1, 12 and 15 are patentable over Bai et al. in view of Cady

et al. In addition, dependent claims 2-4, 7, 9-11 and 13-16 are also patentable for respectively depending on an allowable base claim.

35 U.S.C. §103 Bai/Cady/Taniguchi Rejection

Claims 5 and 6 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Bai et al. in view of Cady et al. in further view of Taniguchi et al. (U.S. Patent 6,388,333).

Applicants respectfully traverse this rejection.

As remarked above, Bai et al. and Cady et al. neither individually nor in combination teach all the features of claim 1. In addition, the Examiner alleges that Taniguchi et al. teaches a second wiring. Applicants disagree.

Figure 6 of Taniguchi et al. only shows wire 6 attached to bonding pad 5. Column 8, lines 21-24. In other words, at best Taniguchi et al. teaches first wirings. Therefore, even if the teachings of Bai et al., Cady et al. and Taniguchi et al. can be combined, the combination would still fail to teach each and every feature of claim 1.

For at least the reasons given above, claim 1 is patentable over a combination of Bai et al., Cady et al. and Taniguchi et al. Dependent claims 5 and 6 are also patentable for depending in an allowable base claim.

35 U.S.C. §103 Bai/Cady/Takashima Rejection

Claim 8 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Bai et al. in view of Cady et al. in further view of Takashima et al. (U.S. Patent 6,160,313). Applicants respectfully traverse this rejection.

As remarked above, a combination of Bai et al. and Cady et al. fail to teach each and every feature of claim 1. In addition, Takashima et al. fails to cure the deficiencies of Bai et al. and Cady et al. Accordingly, claim 8 is patentable for depending on an allowable base claim.

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CONCLUSION

Accordingly, in view of the above amendments and remarks, reconsideration of the objections and rejections and allowance of each of claims 1-17 in connection with the present application is earnestly solicited.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact John A. Castellano at the telephone number of the undersigned below.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

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